

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-049729

(43)Date of publication of application : 21.02.2003

(51)Int.Cl.

F02M 37/00

F02M 37/10

(21)Application number : 2001-237369

(71)Applicant : MITSUBA CORP

(22)Date of filing : 06.08.2001

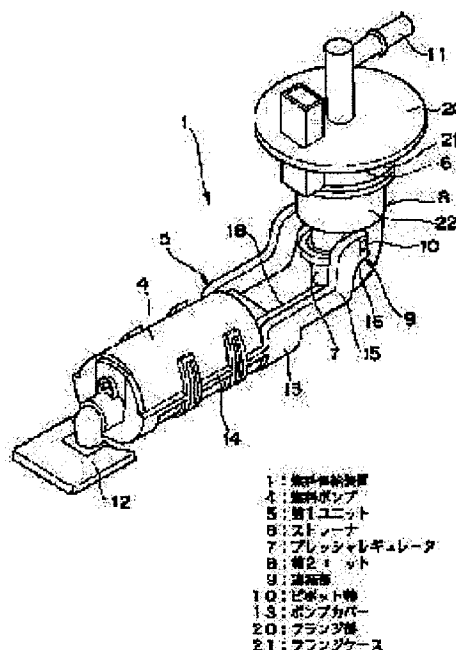
(72)Inventor : MORI SHINYA
NARISHIMA MASAHIKO
ITO KATSUTOSHI

(54) FUEL SUPPLY DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To mount a fuel supply device on a shallow fuel tank through a small mounting hole.

SOLUTION: The fuel supply device 1 has, as functional parts, a fuel pump 4, a strainer 6, a pressure regulator 7, and a flange portion 20. The functional parts are arranged in series, and a connection portion 9 is provided between a first unit 5 on which the fuel pump 4 is mounted and a second unit 8 on which the strainer 6 is mounted for turnably connecting both units 5, 8 with a pivot shaft 10 as a center. The connection portion 9 is provided with the pressure regulator 7 in an area to be a dead space with both units 5, 8 in bent arrangement. With the fuel supply device 1, the units 5, 8 are formed into a linear shape, and the unit 5 only is first inserted into an opening 3 of the fuel tank and then turned to be slid into the tank. The fuel supply device is mounted on the fuel tank 2 by fitting the flange portion 20 into the opening.



1: 燃料供給装置
4: 燃料ポンプ
5: 第1ユニット
6: ストローナ
7: プレッシュレギュレータ
8: 第2ユニット
9: 接続部
10: ピボット軸
11: ポンプカバー
12: フランジ部
13: フランジ部
14: フランジ部
15: フランジ部
16: フランジ部
17: フランジ部
18: フランジ部
19: フランジ部
20: フランジ部
21: フランジ部

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office